

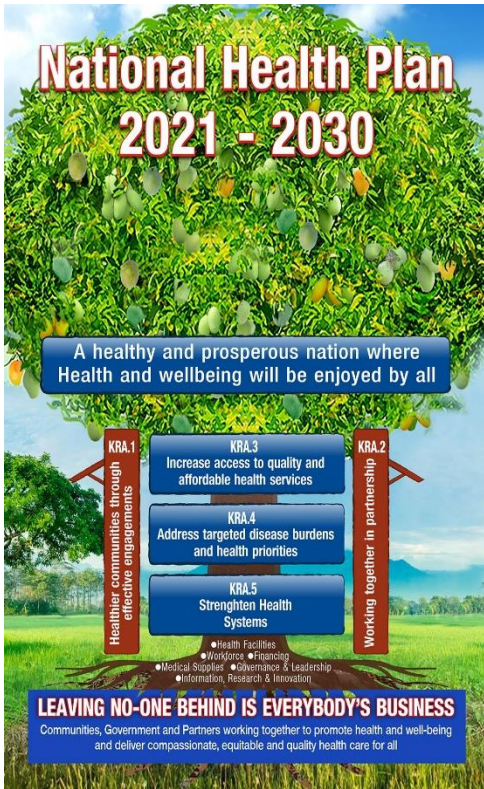
Improving Community Health Services for children in rural areas. MBP Experience

Gilchrist Oswyn

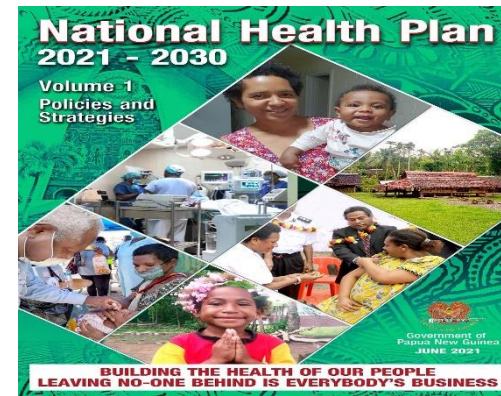
Mid Year Symposium 2022

Presentation Outline

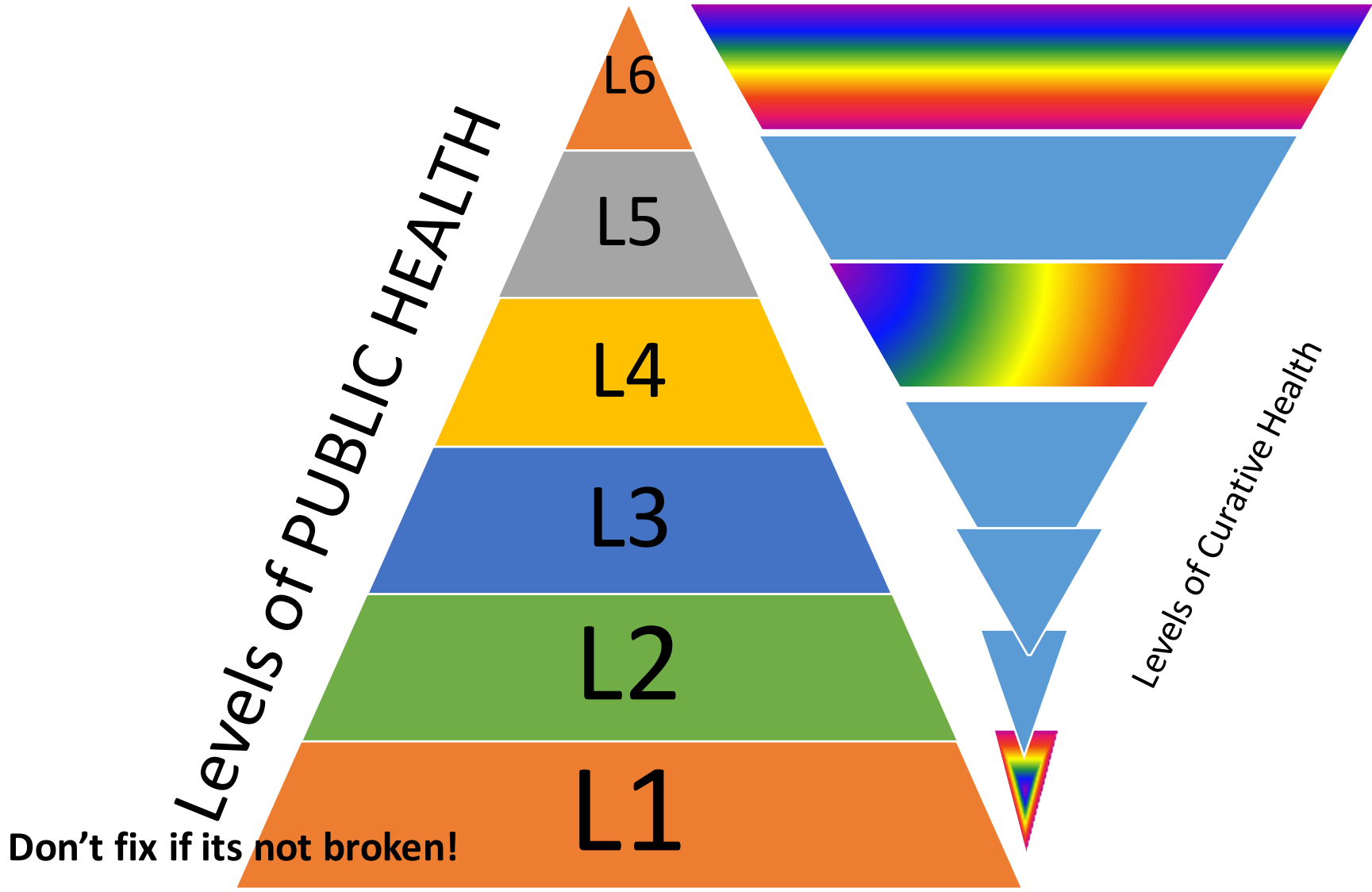
- Immunization efforts and Coverages
- Healthy Island and VHAs
- Environmental Health and WASH links
- Disease Control
- Non-communicable Diseases (NCDs) workshop feedback



- KRA 1: Healthier Communities through effective engagement;
- KRA 2: Working together in Partnerships;
- KRA 3: Increase access to quality and affordable health services;
- KRA 4: Address Disease Burdens and Targeted Health priorities and;
- KRA 5: Strengthened Health Systems.

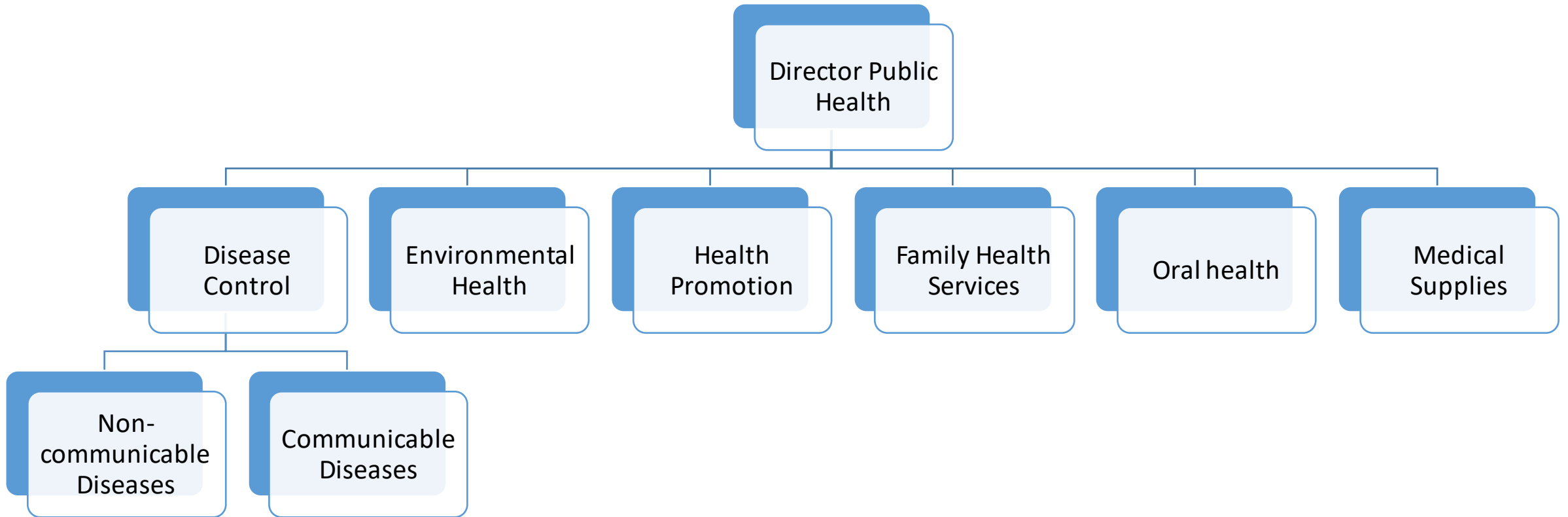


2021- Tree of life - NOW AND EVER!



National Health Service Standards

PUBLIC HEALTH STRUCTURE



Public Health programs

- **Family Health Service;**

- Nutrition
- Safe motherhood
- Child health
- Family Planning

- **Environmental Health**

- Water
- Sanitation
- Vector control
- Surveillance & Quarantine

- **Health Promotion/Prevention**

- **Oral Health**

- **Medical supplies**

- **Disease control - infectious and Non Communicable diseases.**

The real piggy back?

- The primary mandate and add on`s in public health.





**2020 SDD VLS 056 RF SDD, 13 CCE Installations
Mobo Pharmaceuticals: 2 not done, K6,000 owed
2021 SDD TCW 40, 18 HCs installed.**



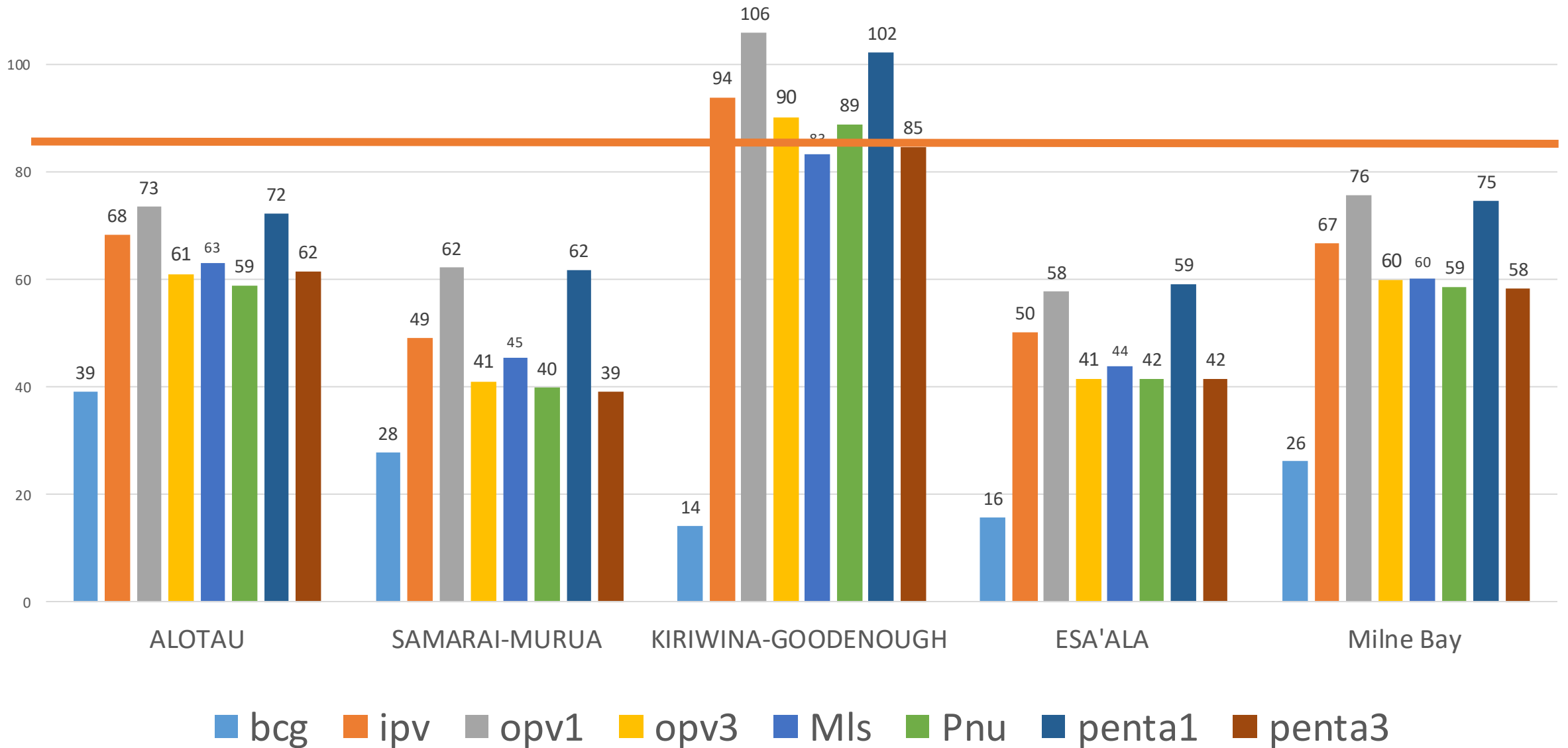


WML PGLe
Dr Barry Kirby and THOR
Peterr Neville
NBPOL
RAM
CHAI
Churches
Chinese Malaria Elimintation



MBP Routine Immunization antigens %cov_dist_2021

120



2022 first quarter performance - Alotau

Facility Name	Total population	Target population	Doses of vaccine administered			Immunization coverage (%)			No. of un-immunised		Drop-out rate (%)		Identify problems*	
		<1 Year(Qter 1)	Penta1	Penta3	Measles	Penta1	Penta3	Measles	Penta3	Measles	Penta1 → Penta3	Penta1 → Measles	Access	Utilisation
Agaun	7401	60	80	45	0	134	75	0	15	60	44	100	Good	Poor
Alotau UC	25855	209	86	53	52	41	25	25	156	157	38	40	Poor	Poor
Daio	6822	55	4	4	6	7	7	10	51	50	0	-53	Poor	Good
Dogura	9473	76	62	21	41	81	28	53	55	36	66	34	Good	Poor
East Cape	4591	37	97	68	51	263	183	139	-31	-14	31	47	Good	Poor
Fife Bay	4154	33	58	52	79	172	154	235	-18	-45	11	-37	Good	Poor
Garuahi	8072	65	47	23	40	71	36	61	42	26	50	15	Poor	Poor
Gurney	12169	98	40	57	28	41	58	28	41	70	-42	31	Poor	Good
Ikara	4710	38	46	15	8	122	41	20	23	30	67	83	Good	Poor
Nube	6384	51	39	37	45	76	72	88	14	6	5	-15	Poor	Good
Pumani	3563	29	70	120	30	244	418	104	-91	-1	-71	57	Good	Good
Rabaraba	9109	73	66	34	33	90	47	45	39	41	48	50	Good	Poor
Sagarai	7081	57	79	105	37	138	184	64	-48	20	-33	53	Good	Good
Suau	4113	33	24	30	52	73	91	155	3	-18	-25	-113	Poor	Good
Tarakwaruru	6245	50	71	18	44	140	35	88	33	6	75	38	Good	Poor
Bubuleta CHP	6439	52	89	50	69	170	96	133	2	-17	44	22	Good	Poor
Alotau	126181	1018	956	732	613	94	72	60	286	405	23	36	Good	Poor

SAMARAI-MURUA District

Facility Name	Total population	Target population	Doses of vaccine administered			Immunization coverage (%)			No. of un-immunised		Drop-out rate (%)		Identify problems*	
		<1 Year(Qter 1)	Penta1	Penta3	Measles	Penta1	Penta3	Measles	Penta3	Measles	Penta1 → Penta3	Penta1 → Measles	Access	Utilisation
Misima (Bwagaioi) HO	23865	192	25	22	22	13	12	12	170	170	9	9	Poor	Good
Guasopa HC	12689	102	4	0	0	4	0	0	102	102	100	100	Poor	Poor
Jinjo SC	7040	57	274	93	75	482	164	133	-36	-19	66	72	Good	Poor
Kwaraiwa SC	3647	29	31	24	76	105	82	258	5	-46	22	-145	Good	Poor
Nimoo SC	9222	74	139	45	76	187	60	102	30	-1	68	46	Good	Poor
Panaeati SC	5054	41	117	112	139	287	275	341	-71	-98	4	-19	Good	Good
Samarai HC	6059	49	55	88	88	113	180	180	-39	-39	-59	-59	Good	Good
Sideia SC	5379	43	44	37	37	102	86	86	6	6	16	16	Good	Poor
SAMARAI-MURUA District	72,955	588	689	421	513	117	72	87	167	75	39	26	Good	Poor

KIRIWINA-GOODENOUGH District

Bolubolu HC	10470	84	121	338	141	144	400	166	-253	-56	-178	-16	Good	Good
Kitava SC	4721	38	171	152	63	449	400	166	-114	-25	11	63	Good	Poor
Losuia HC	19481	157	89	628	98	57	400	62	-471	59	-605	-10	Poor	Good
Moratau SC	8103	65	0	261	0	0	400	0	-196	65	#DIV/0!	#DIV/0!	Poor	Good
Omarakana SC	14650	118	82	473	80	70	400	67	-354	38	-475	3	Poor	Good
Wailagi SC	9892	80	83	319	69	103	400	86	-239	11	-287	17	Good	Good
Watumula HC	7473	60	143	241	128	238	400	213	-181	-68	-68	10	Good	Good
Sinaketa CHP	4805	39	44	155	62	113	400	159	-116	-23	-256	-41	Good	Good
Kaduwaga CHP	4870	39	44	157	82	111	400	209	-118	-43	-260	-88	Good	Good
KIRIWINA-GOODENOUGH District	84,465	681	777	2,725	722	114	400	106	-2044	-41	-251	7	Good	Good

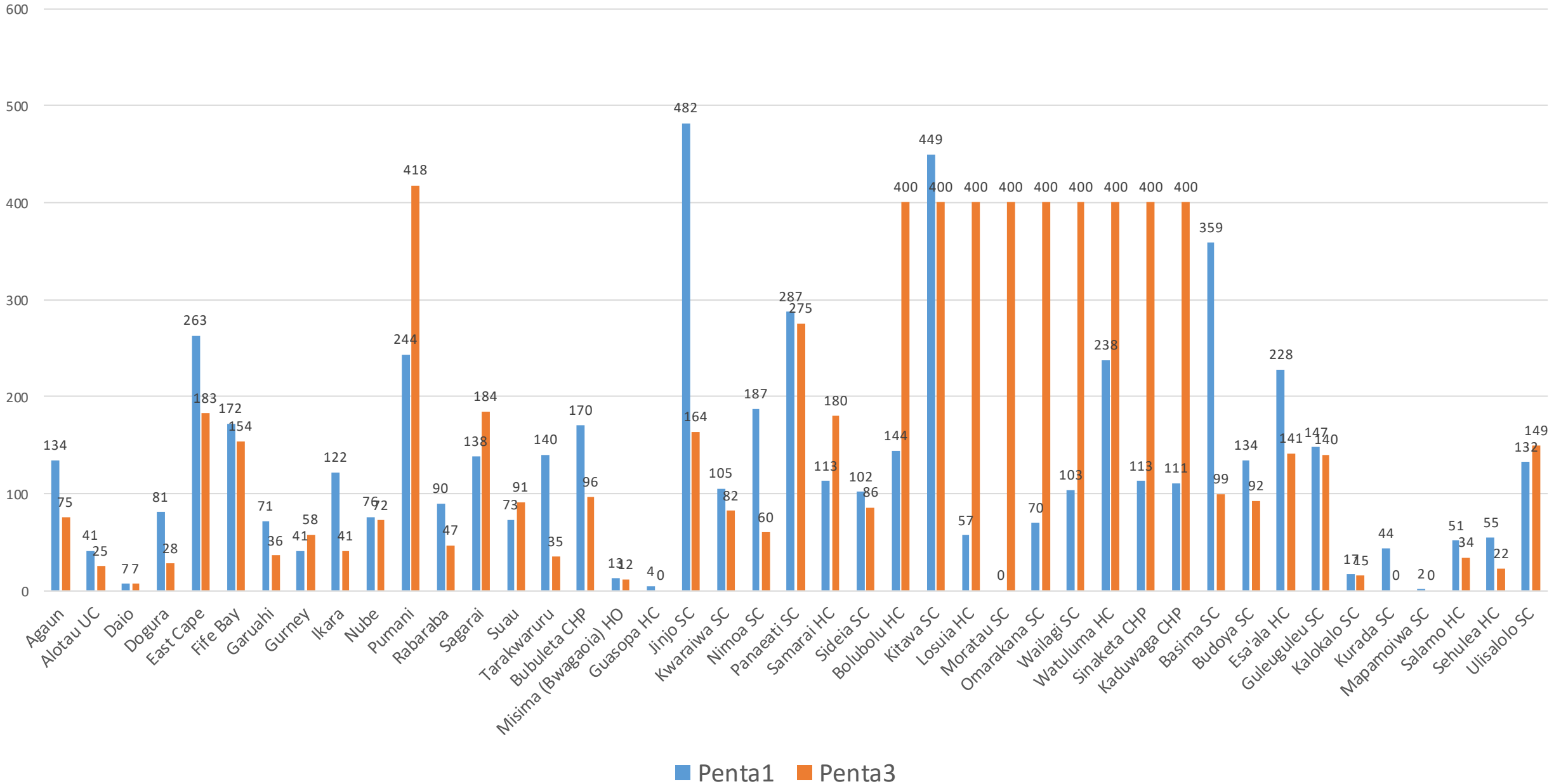
ESA'ALA District

Facility Name	Total population	Target population	Doses of vaccine administered			Immunization coverage (%)			No. of un-immunised		Drop-out rate (%)		Identify problems*	
		<1 Year(Qter1)	Penta1	Penta3	Measles	Penta1	Penta3	Measles	Penta3	Measles	Penta1 → Penta3	Penta1 → Measles	Access	Utilisation
Basima SC	5980	48	173	48	83	359	99	173	0	-35	72	52	Good	Poor
Budoya SC	7396	60	80	55	40	134	92	67	5	20	31	50	Good	Poor
Esa'ala HC	5795	47	106	66	89	228	141	191	-19	-43	38	16	Good	Poor
Guleuguleu SC	4548	37	54	51	60	147	140	162	-15	-23	5	-10	Good	Good
Kalokalo SC	10534	85	14	13	14	17	15	17	72	71	9	0	Poor	Good
Kurada SC	7617	61	27	0	12	44	0	20	61	49	100	54	Poor	Poor
Mapamoiwa SC	9032	73	1	0	1	2	0	2	73	71	100	0	Poor	Poor
Salamo HC	6698	54	28	19	20	51	34	38	36	34	33	27	Poor	Poor
Sehulea HC	10202	82	45	18	32	55	22	39	64	51	59	30	Poor	Poor
Ulisalolo SC	4279	35	46	51	74	132	149	215	-17	-40	-12	-63	Good	Good
ESA'ALA District	72,081	581	574	321	426	99	55	73	260	155	44	26	Good	Poor

MBPHA – 2022 first quarter performance

Facility Name	Total population	Target population	Doses of vaccine administered			Immunization coverage (%)			No. of un-immunised		Drop-out rate (%)		Identify problems*	
		<1 Year(Qter 1)	Penta1	Penta3	Measles	Penta1	Penta3	Measles	Penta3	Measles	Penta1 → Penta3	Penta1 → Measles	Access	Utilisation
Alotau	126181	1018	956	732	613	94	72	60	286	405	23	36	Good	Poor
SAMARAI-MURUA District	72,955	588	689	421	513	117	72	87	167	75	39	26	Good	Poor
KIRIWINA-GOODENOUGH District	84,465	681	777	2,725	722	114	400	106	-2044	-41	-251	7	Good	Good
ESA'ALA District	72,081	581	574	321	426	99	55	73	260	155	44	26	Good	Poor
MBPAH	355,682	2,869	2,997	4,200	2,275	104	146	79	-1,331	594	-40	24	0	0

2022 Q1 Penta1 and Penta 3 Coverage in % compared by Facilities - MBP



Targeted response

- Low performing HCs/Districts.
- HTR areas (geographical, functional).
- Church run HCs.
- Advocacy and partnerships for engagement and development.
- Infrastructure (Closed APs Alotau 18; SM 16).
- Law and Order

Healthy Islands

- Dream of Healthier Communities
- Healthy Islands has 8 settings. The 8 settings are the focus of 8 key activities that will be conducted each quarter.
- Healthy Islands Program will be integrated with VHV/VHA, CAP & other public health community programs.

Core Healthy Island Activities/ 8 Settings

- **Healthy Village**
- **Healthy Town**
- **Healthy Marketplace**
- **Health Promoting Health Facility**
- **Health Promoting School**
- **Healthy Public transport**
- **Healthy Restaurant**
- **Healthy Workplace**

Topa WaSH (IF) Project 2021



5 Water tanks, 5 VIP Toilets, (1 school, church)

PICTORIAL HIGHLIGHTS OF THE PROJECT



(a) Kaduwaga well water pump
Completed on 12/4/21.



(b) Sinaketa well water pump
Completed on the 8/4/21



(c) Tubowada solar well
completed 5/4/21



(d) Tubowada Header Tanker
installation



(e) Sinaketa pump testing



(f) Kaduwaga Pump final

Incentive fund K110,000, life of plumber

C19 WASH K500,000 given to DDAs???

VHA

- 300 VBA/VHV Trained: Not followed up, supervised
- WASH
- HMM 69 Trained 2019, 17 in 2022.
- TOT NDoH May 2022. Yet to roll out
- Push 5000 HWs (349 VHAs?) to be on payroll.
- Collaboration, refreshers/multitasking, Data base.

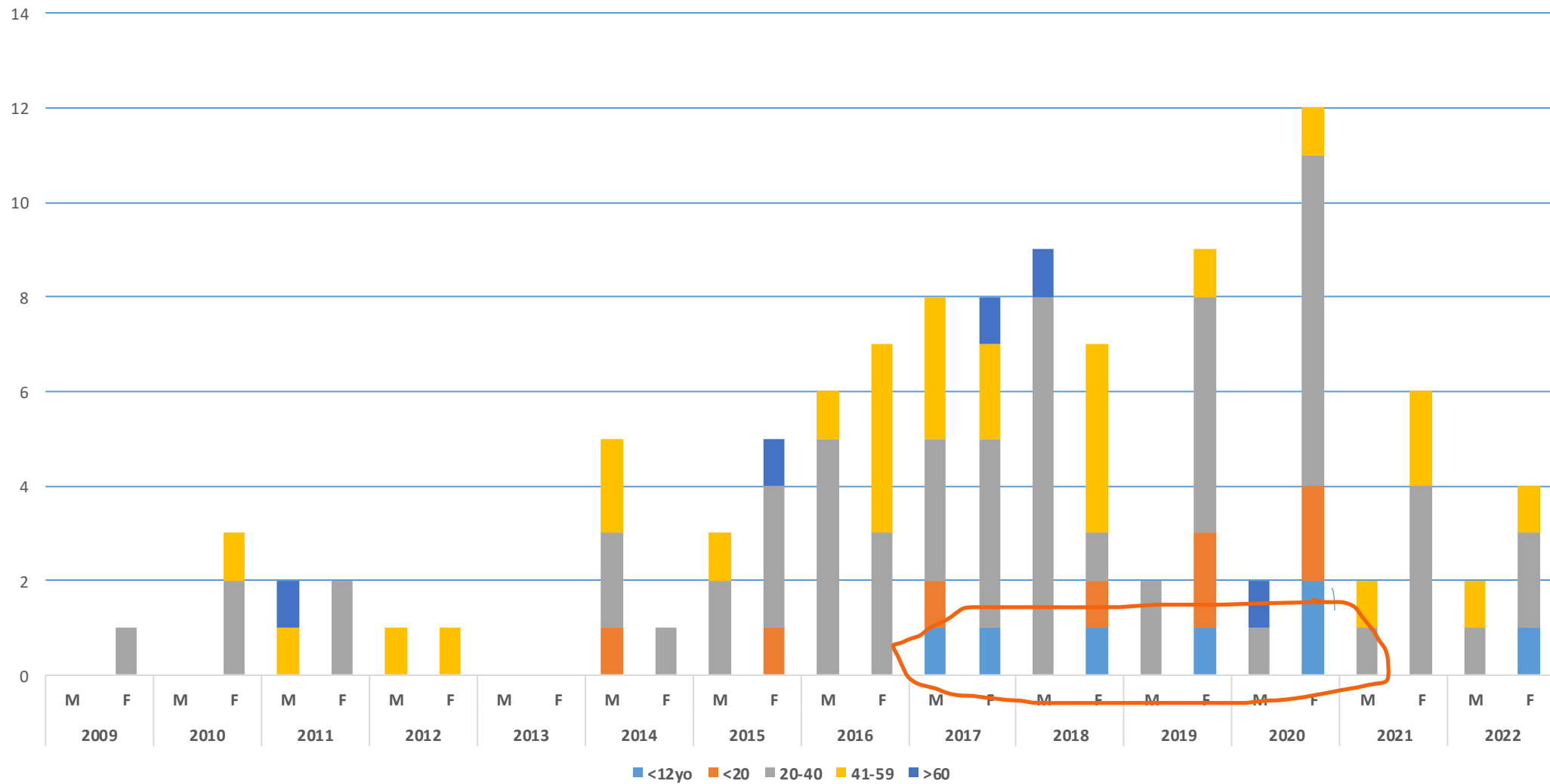
TB Cases Notification

DISTRICT	NO OF BMUS	NSSP	NSSN/ NOT DONE	EPTB	TOTAL CASES
Alotau	3/8	3	6	8	17
Esa'ala	5/5	1	13	3	17
K/Goodenough	4/4	6	7	15	28
S/Murua	4/5	1	3	2	6
Total	17/22	39	29	28	94

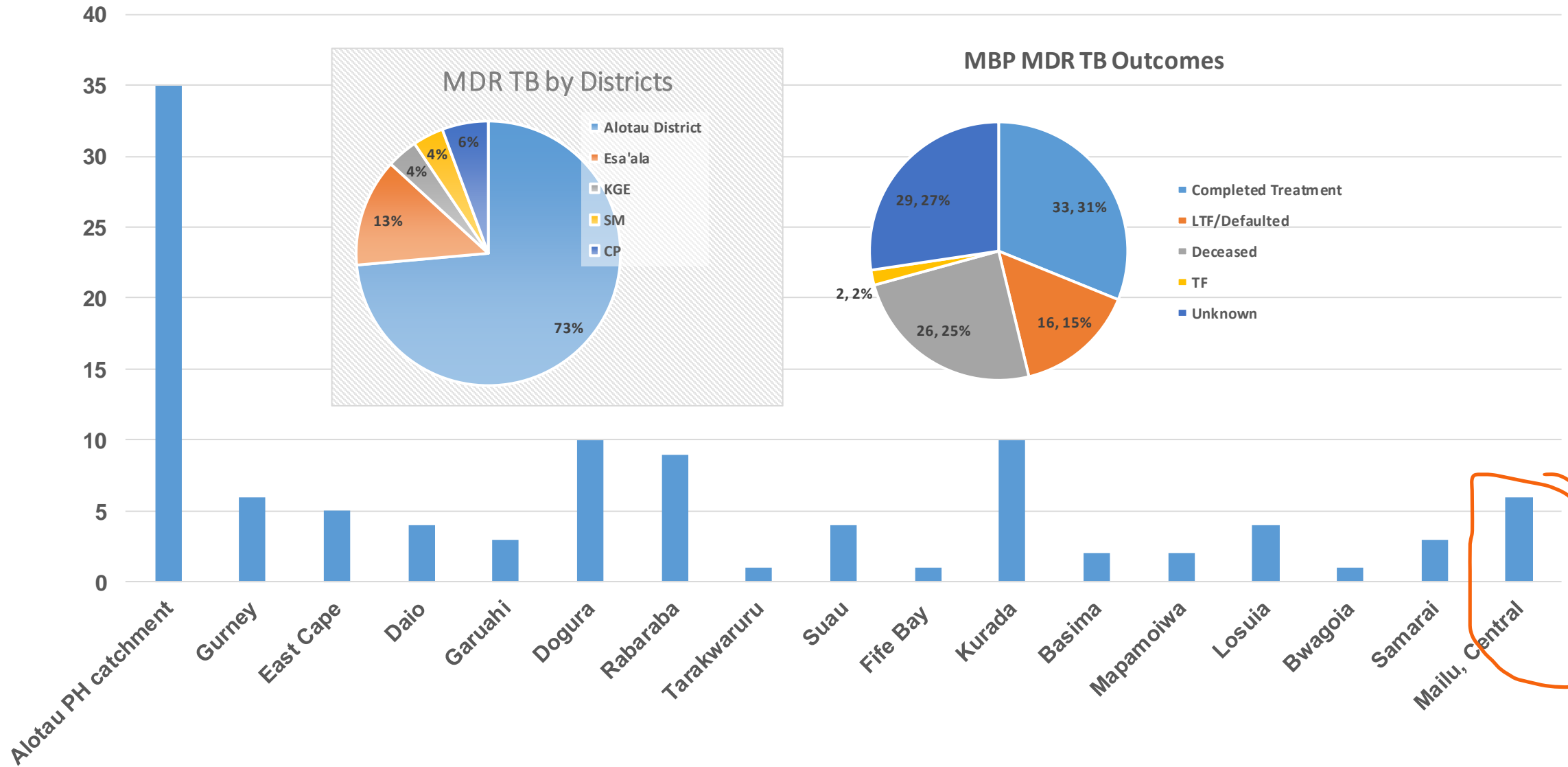
HFSS summary: 43 Reporting H/Facilities

District	No of Reporting HF	January	February	March	Total	%
Alotau	16	21	28	39	88/192	46%
Esa'ala	10	18	14	15	47/120	39%
KGE	9	6	7	13	26/108	24%
Sam-Mur	8	16	7	7	30/96	31%
Total	43	61/172	56/172	74/172	191/516	

MBP MDR Cases 2009-2022 by age & gender



MBP MDR TB 2009-2022 by HCs & outcomes





LUSANCAY ISLANDS AND REEFS

TROBRIAND ISLANDS

TUMA I
KADUANA I
Seuia

Kapwani
Iboba
Kaituvi

KITAVA I

KIRIWINA I

IWA I

MUWO I

VAKUTA I

DUGUMENU I
KWAIWATTA I

MARSHALL BENNETT ISLANDS

YANABA I

GAWA I

MADAU I

Kauwai
Kulumadau

WOODLARK I

Guasopa
Wabununa

WABOMA I
BUDELUN I

D'ENTRECASTEAUX

GUMAWANA I

WAMERA I

AMPHLETT GROUP

Utaufa
Waibula

WAWIWA I

Vivigani

Bolubolu

Falava
Walloga
Iamalele

Kalo Kalo
Wadelei

FERGUSSON I

Sebutuisa

SANAROA I

WATOA I

Es'a'Ala

NORMANBY I

Wakwaka

Darubia

Sehulea

Meudani

Rabaraba

Panama

Sawabala Point

ISLANDS

MILNE BAY PROVINCE

PROVINCE

HASTINGS I

EAST I

DEBOYNE ISLANDS

PANAEATI I

Eweriao
Link
Elzua

MISIMA I

Cape Henry
Bwagaia

PANAPOMPOM I

LOUISIADE

CONFLICT GROUP

WARI I

MOTORINA I

PANASIA I

BAGAMAN I

PANAWINA I

SABARA I

PANATINANE I

THE CALVADOS CHAIN

YEINA I

Tagua
Ramubuso

SUDEST I

Madawa

ARCHIPELAGO

YELA I

Cape Deliverance

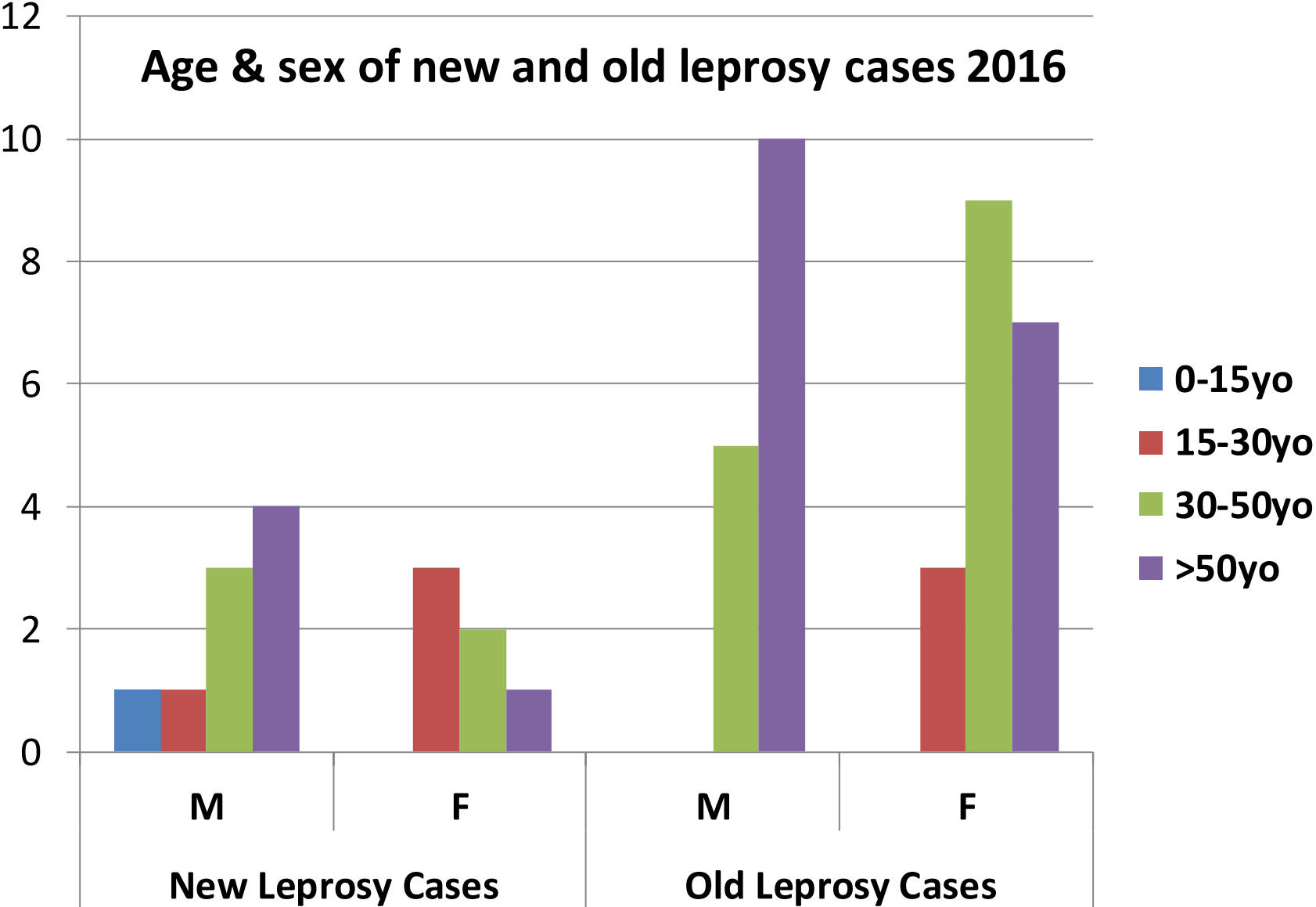
Donuwo

SEA

Leprosy in Esa'ala



Age & sex of new and old leprosy cases 2016



Non-communicable Diseases



Presenter: Patiyana Wong (HEO)

Designation: Non-communicable Diseases Program Officer

Public Health Division

WHAT IS WHO PEN?

Package of Essential Non-communicable disease interventions

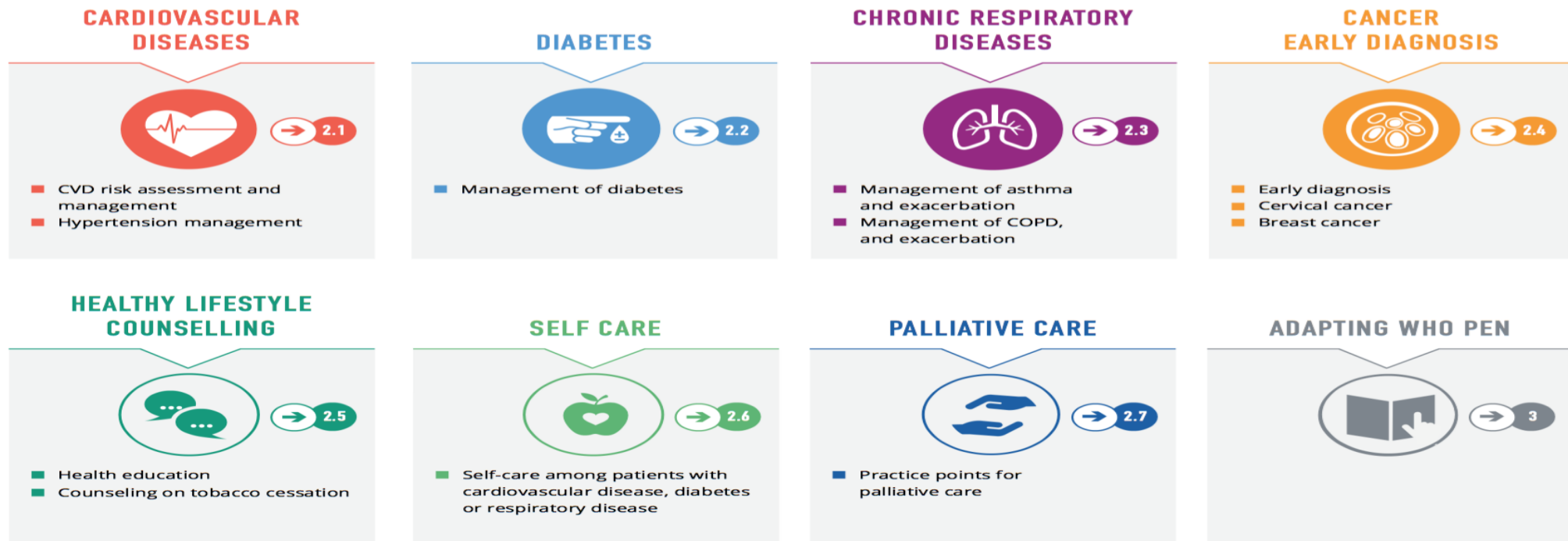


Accessible Effective NCD services: close gap
between Need & Availability
To control & reduce NCD burden in PNG

PEN package – Components of PEN

PEN (Package of Essential Non-communicable diseases)

- Introduced for screening, diagnosis, treatment, and referral of NCDs to the primary health care facilities for early detection and management.
- PEN is the first step for integration of NCDs into Primary Health Care.



Cardiovascular Diseases

Group of disorders of the heart and blood vessels.

- Coronary Heart Disease
- Myocardial infarction (heart attack)
- Cerebrovascular accidents (stroke)
- High blood pressure
- Arrhythmia
- Congestive heart failure
- Congenital heart disease

Behavioural risk factors may show in individuals as:

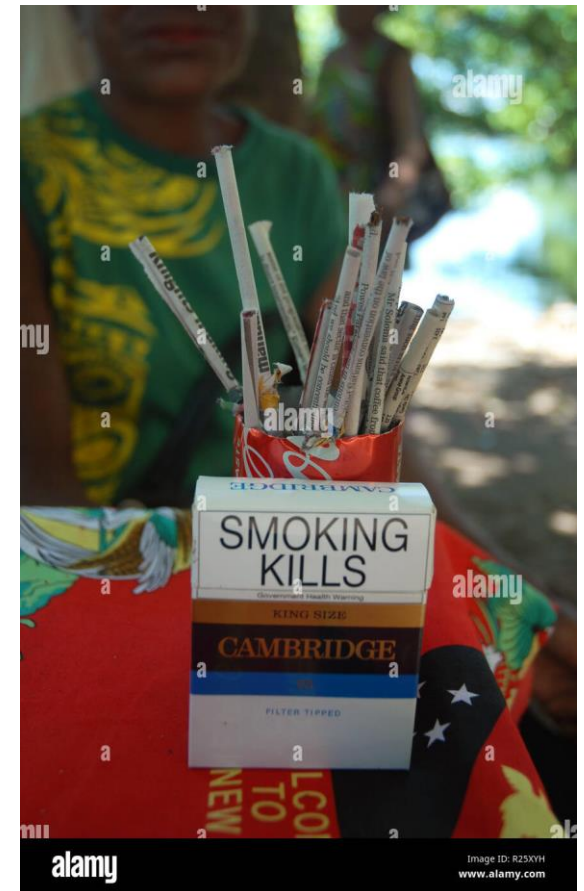
- Raised blood pressure
- Raised blood glucose
- Raised blood lipids
- Overweight & obesity

Cessation of tobacco use, reduction of salt in the diet, eating more fruits and vegetables, regular physical activity, and avoiding harmful use of alcohol have been shown to reduce the risk of cardiovascular diseases.

Chronic respiratory diseases

Affect the airways and other structure of the lungs.

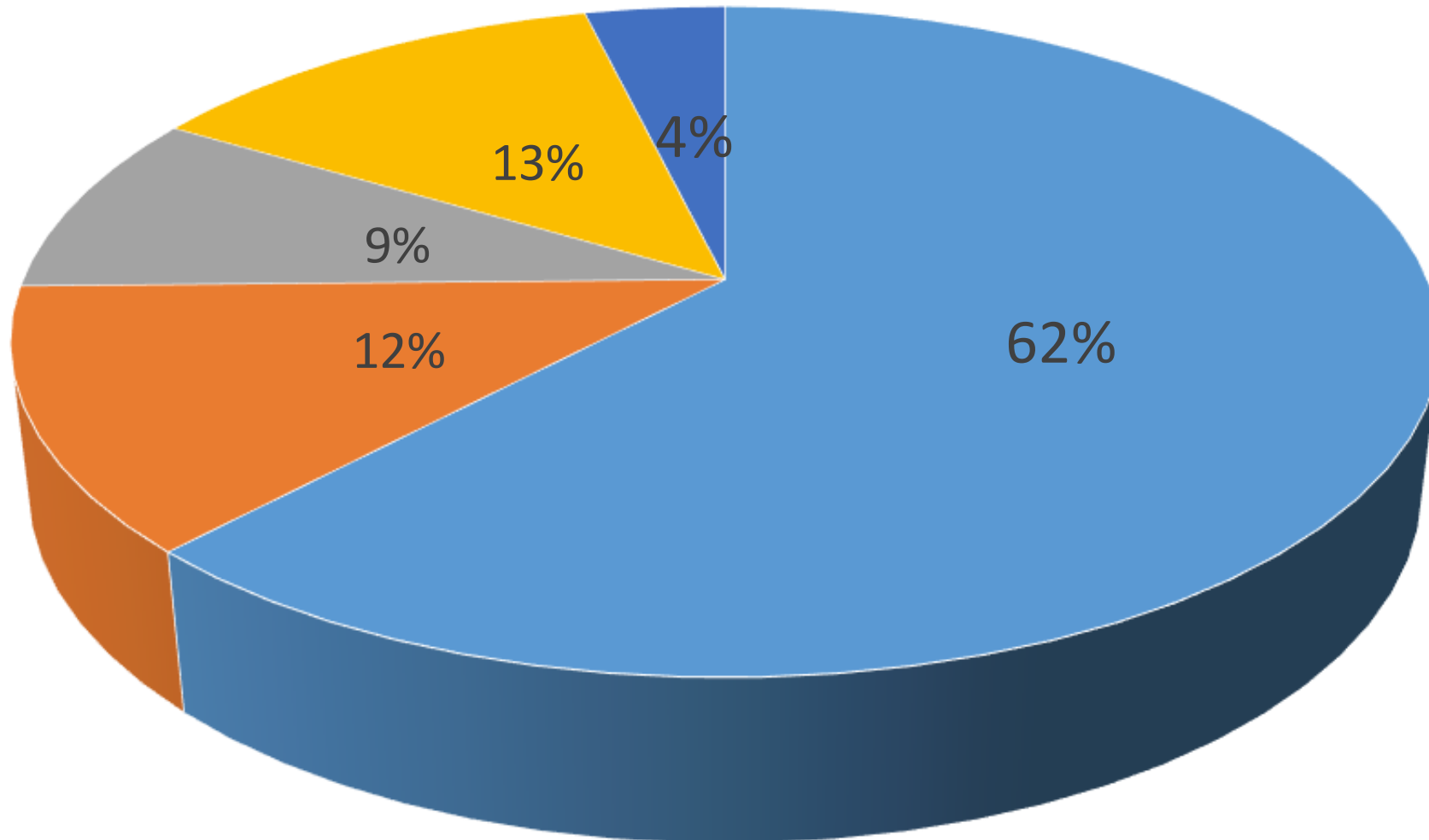
- Chronic Obstructive Pulmonary Disease
- Asthma
- Occupational lung diseases
- Pulmonary hypertension



Milne bay Province – NCDs (NHIS)

NCDs	2016	2017	2018	2019	2020
OUTPATIENTS					
Other respiratory diseases	21,572	20,237	27,495	22,855	27,011
DISCHARGES					
Other respiratory diseases	273	207	199	145	118
Ischaemic heart disease	41	32	26	29	26
Hypertension	54	49	43	89	59
Diabetes	35	33	54	49	87
DEATHS					
Other respiratory diseases	20 – 7.3%	13 – 6.2%	14 – 7%	5 – 3.4%	1 – 0.8%
Ischaemic heart disease	17 – 41.4%	11 – 34.3%	7 – 26.9%	9 – 31.0%	7 – 26.9%
Hypertension	2 – 3.7%	0 -	2 – 4.6%	1 – 1.1%	1 – 1.6%
Diabetes	8 – 22.8%	5 – 15.1%	7 – 12.9%	8 – 16.3%	8 – 9.1%

APH Gynaecology Cancers 2015 - 2021



■ Cervical cancer

■ Ovarian Cancer

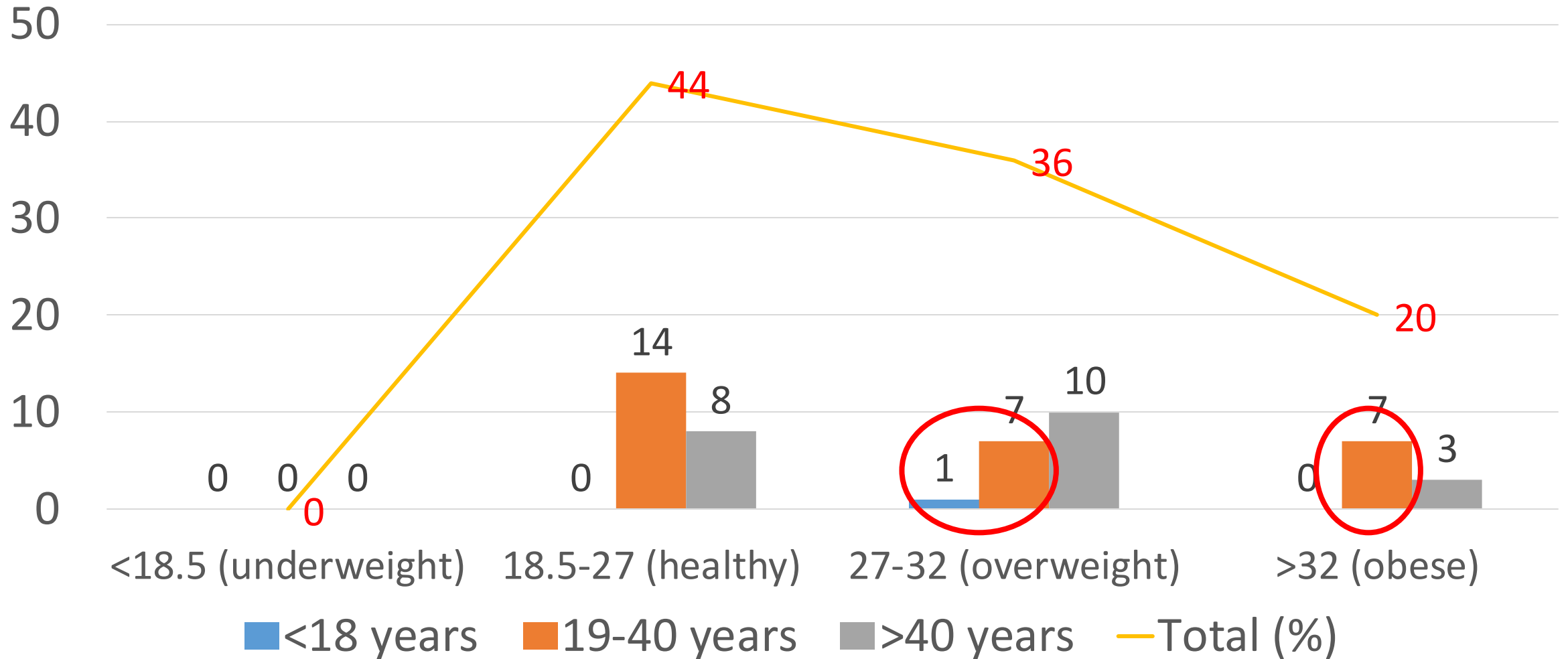
■ Endometrial Cancer

■ Choriocarcinoma

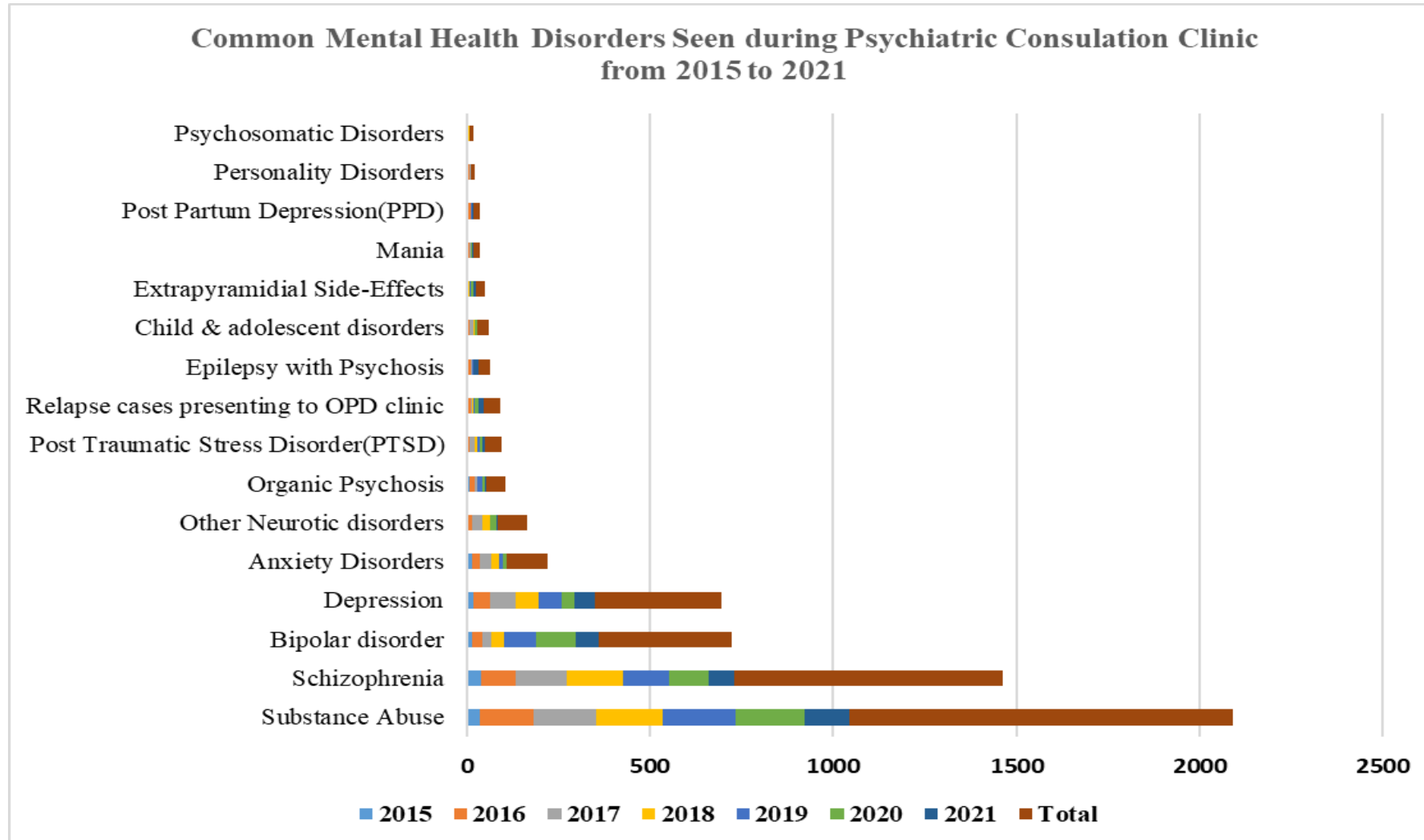
■ Vaginal Cancer

Baseline data – Youth games in MBP

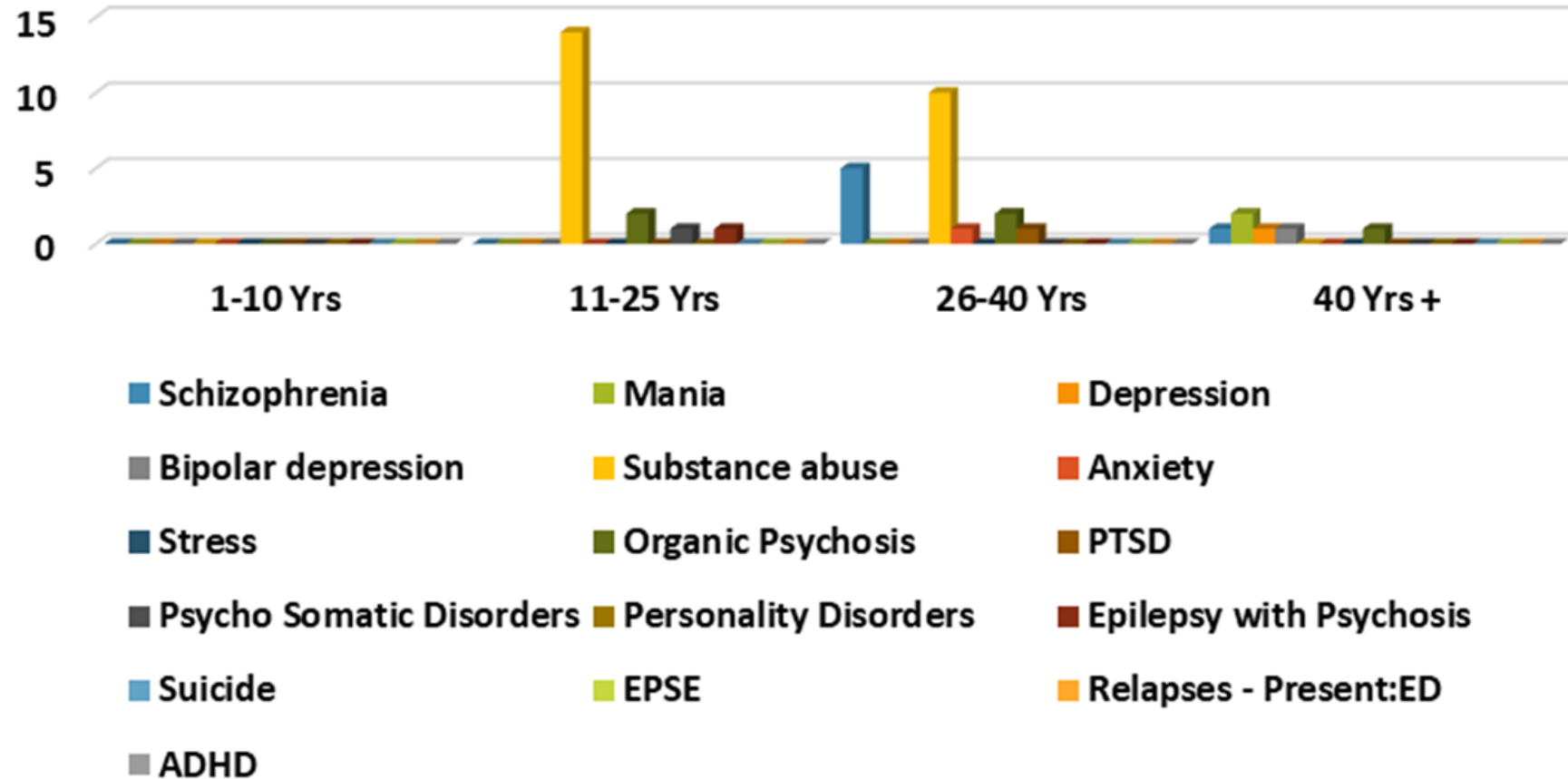
Client BMI distribution among ages



GRAPH OF COMMON MENTAL DISORDERS PRESENTED – OPD PSYCHIATRY CONSULTATION CLINIC 2015-2021



Male age distribution who have presented at the clinic with common mental problems seen at - OPD Psychiatric Consultation Clinic since 2015 - 2021



Target -School and Adolescents



Self promotion/protection of health



Our health matters
for our neighbour